

Flexible Led Strip Data Sheet

24V-2835-120LEDs/M-22W

Features

- ✓ 24V DC constant voltage strips,dimmable
- ✓ ≥ 90 lm/W
- ✓ 22 Watts/meter
- ✓ Colour rendering index: 80
- ✓ < 5 steps MacAdam ellipse binning
- ✓ Adhesive tape on back,use with Aluminium profile
Heat dissipation area of Aluminium >1000-1100cm²/M
- ✓ Solderless connector or terminal wires connection
- ✓ Minimum 50mm cut, maximum continuous run 10 meters
- ✓ Ship in 5m or 50m reels
- ✓ IP20
- ✓ Standards:IEC 62031/IEC 62471
- ✓ Certificate:CE/CB



120° Beam

DRIVER AVAILABLE OPTIONS:



(ND)



(PH)



(AN)



(DA)

Application

- ✓ Furniture lighting and contour accentuation
- ✓ Decorative applications
- ✓ Home lighting and corner lighting
- ✓ Signage and illuminated advertising

Technology Benefits

- ✓ Excellent in colour consistency and efficiency
- ✓ Long lifespan and extreme brightness
- ✓ Quick installation,paste directly,no costly modification
- ✓ Cost savings,Low-maintenance and quicker ROI
- ✓ Comfort, safety, no glass, flexible, easy to bend

Technical Operating Data (for 1 meter)

Model	Length	SMD LED	LEDs/M	Voltage [V DC]	Power consumption [W]	Current [A]	Luminous Flux [lm]	Color [K]	CRI	SDCM	Min. Cutting Length
3706212	5M	2835	120	24	22	0.92	2000lm	3000	80	< 5	50mm
3706287	50M	2835	120	24	22	0.92	2000lm	3000	80	< 5	50mm
3706168	5M	2835	120	24	22	0.92	2000lm	4000	80	< 5	50mm
3706291	50M	2835	120	24	22	0.92	2000lm	4000	80	< 5	50mm
3706169	5M	2835	120	24	22	0.92	2000lm	6000	80	< 5	50mm

※Allows 10% float of data.All data are related to the entire module.

※Due to the special conditions of the manufacturing processes of LED the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.

Minimum & Maximum Ratings

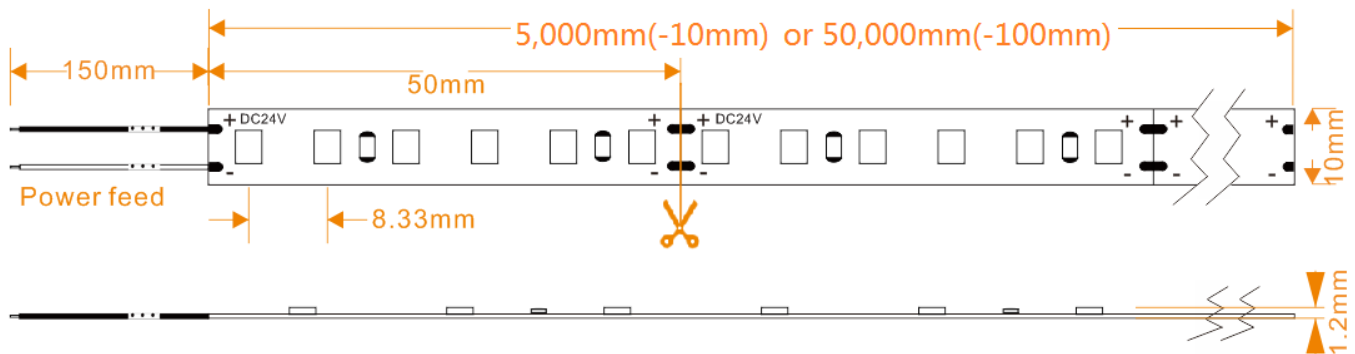
Identification	Operating temperature at Tc-Point [°C]	Storage temperature [°C]	Voltage range [V dc]	Reverse Voltage [V dc]
24V-2835-120LEDs/M-22W	-20 ... +50°C	-20 ... +60°C	23 ... 25 V	tbc.

※Exceeding maximum ratings for operating and storage temperature will reduce expected life time or destroy the LED Module.

※Exceeding maximum ratings for operating voltage will cause hazardous overload and will likely destroy the LED Module.

※The temperature of the LED module must be measured at the Tc-point according to EN60598-1 in a thermally constant status with a temperature sensor or a temperature sensitive label.

Technical Drawing



LED Driver & Fitting Parts

- ✓ In order to drive our led strip safely, it is absolutely necessary to operate them with an electronically stabilized power supply protecting against short circuits, overload and overheating. We recommend to use 3rd parties LED driver from Meanwell or other reliable sources.
- ✓ Please use suitable fitting parts and tools if need to cut, connect or soldering.

Safety Information

- ✓ The LED strip itself and all its components must not be mechanically stressed.
- ✓ Assembly must not damage or destroy conducting paths on the circuit board.
- ✓ In order to drive LED-Modules safely, it is absolutely necessary to operate them with an electronically stabilised power supply protecting against short circuits, overload and overheating.
- ✓ Electronic control gear complies to all relevant standards and guarantees safe operation. Only qualified personnel should be allowed to perform installations.
- ✓ Observe correct polarity! Depending on the product incorrect polarity will lead to emission of red or no light. The module can be destroyed! Correct polarity immediately.
- ✓ Parallel connection is highly recommended as safe electrical operation mode. Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the LED module.
- ✓ Please ensure that the power supply is of adequate power to operate the total load.
- ✓ When mounting on metallic or otherwise conductive surfaces, there needs to be a electrical isolation at soldering points between model and the mounting surface.
- ✓ Pay attention to standard ESD precautions when installing the module.
- ✓ It has no conformal coating and therefore offers no inherent protection against corrosion. Damage by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection.

※**Note:** Due to the special conditions of manufacturing processes of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data. Subject to change without notice. Errors and omissions excepted.